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TITLE: Printing cylinder supporting unit for printing machine,
has supporting bearings that are moved, such that bearing
points move along movement lines that have fixed position
relative to supporting frame, and connecting unit

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PATENT-FAMILY:

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NL 1021417 C2	March 10, 2004	N/A	000 B41F
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KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH
PL PT RO RU SC
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW AT
BE BG CH
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ABSTRACTED-PUB-NO: WO2004022339A

BASIC-ABSTRACT:

NOVELTY - The unit has a supporting unit with three bearings (11.1, 12.1, and 13.1) for supporting printing cylinders (1). The bearings are moved, such that bearing points move along movement lines that have a fixed position relative to a supporting frame. A connecting unit connects the movements of the bearing points along their respective movement line. The bearing points lie on a common circle with variable diameter.

DETAILED DESCRIPTION - Each bearing interacts at a position of a bearing point with a bearing surface of a bearing ring. The ring is fixed concentrically on a printing cylinder. An INDEPENDENT CLAIM is also included for a printing machine.

USE - Used for a printing machine.

ADVANTAGE - The unit allows printing cylinders of different diameters to be quickly and easily exchanged based on orientation of the movement lines of the bearing points and connection of the movements of the bearing points, without requiring the bearing roller to be situated at the position of the reference point.

DESCRIPTION OF DRAWING(S) - The drawing shows a top view of a printing cylinder supporting unit.

Printing cylinders 1

Roller 4

Bearing surface 5

Reference axis 7

Supporting bearings 11.1, 12.1, 13.1

CHOSEN-DRAWING: Dwg.4/5

TITLE-TERMS: PRINT CYLINDER SUPPORT UNIT PRINT MACHINE SUPPORT
BEARING MOVE

BEARING POINT MOVE MOVEMENT LINE FIX POSITION RELATIVE
SUPPORT

FRAME CONNECT UNIT

DERWENT-CLASS: P74

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